

↖ 10

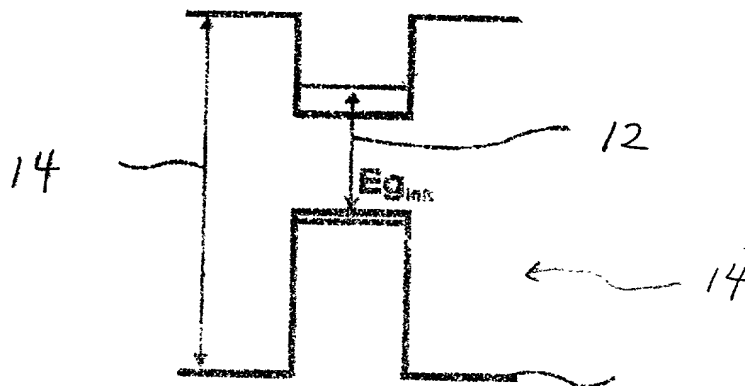
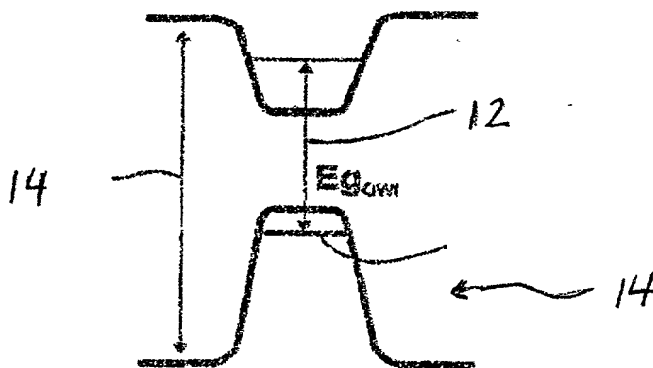


FIG. 1A

↙ 10



FI G. 1B

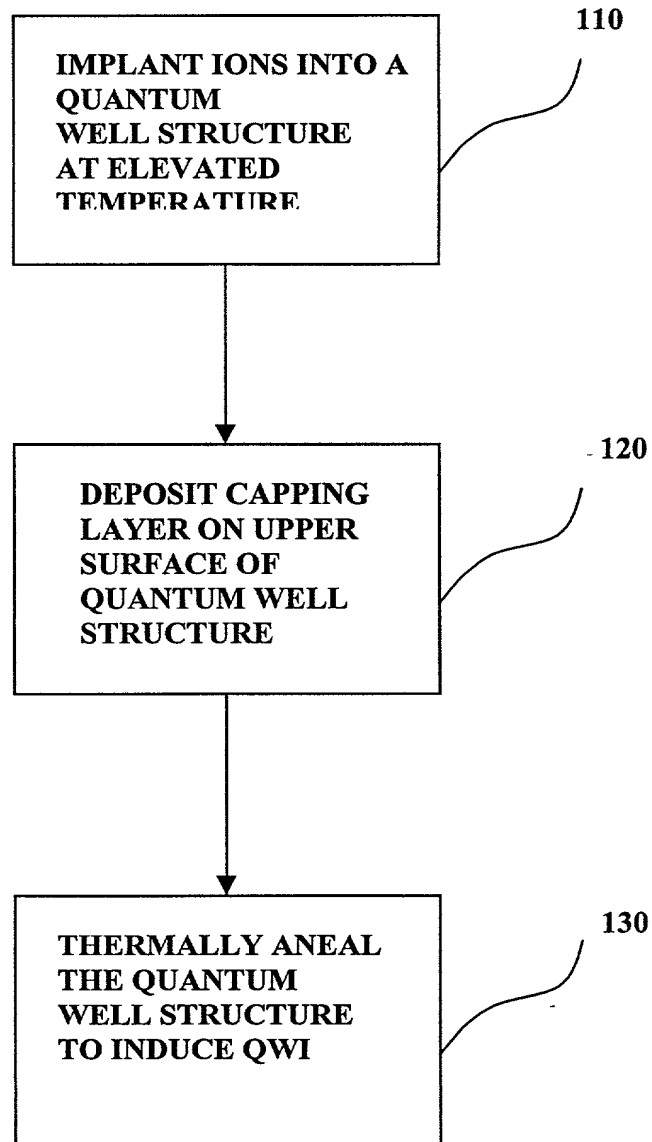


FIG 2

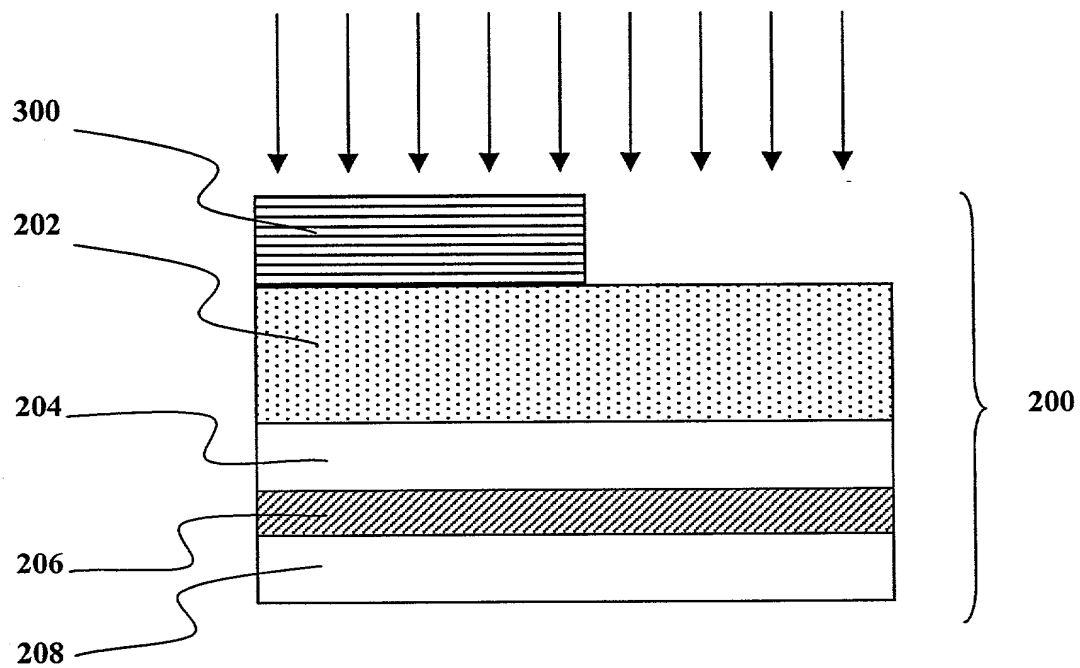


FIG. 3

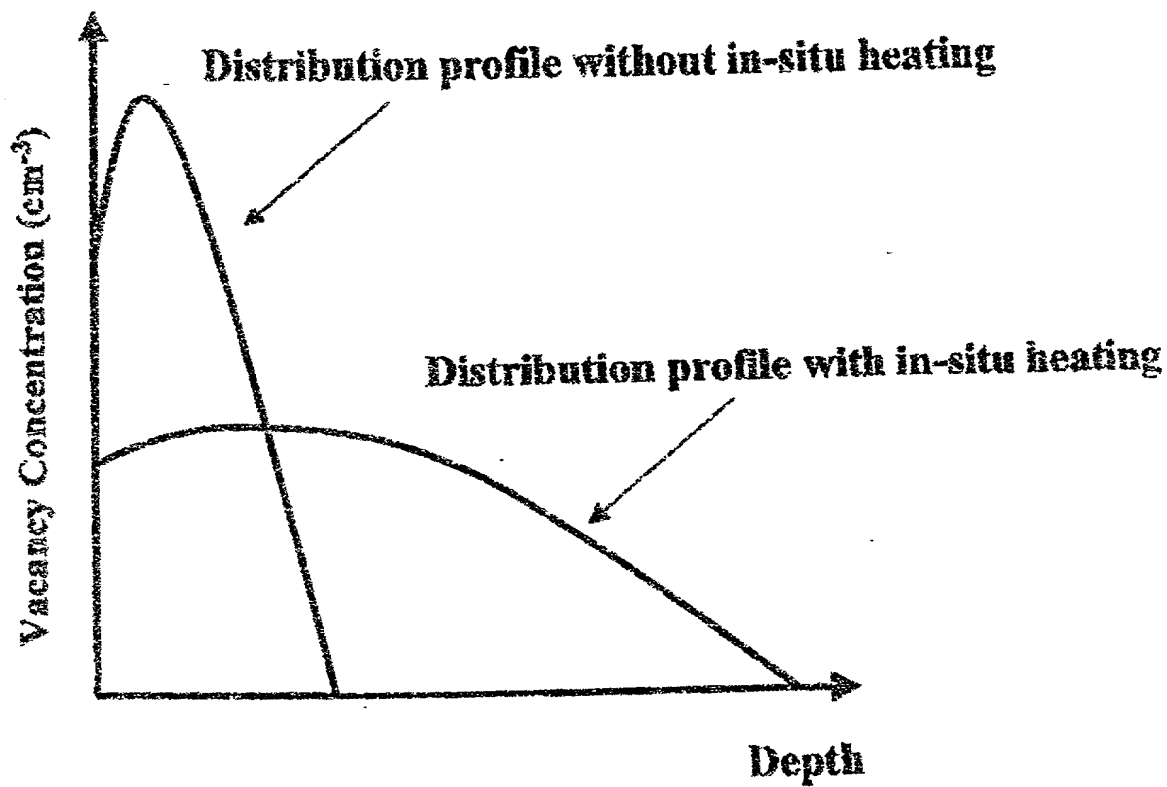


FIG. 4

The graph plots Wavelength Shift (nm) on the y-axis (0 to 120) against Vacancy Concentration (cm^{-3}) on the x-axis (logarithmic scale from $1\text{E}+20$ to $1\text{E}+24$). Two data series are shown: 'Implanted at 200 °C' (upper curve) and 'Implanted at room temp.' (lower curve). Both series show an increase in wavelength shift with increasing vacancy concentration, with the 200 °C series exhibiting a much steeper increase.

Vacancy Concentration (cm^{-3})	Wavelength Shift (nm) - 200 °C	Wavelength Shift (nm) - room temp.
$1\text{E}+20$	~18	~18
$1\text{E}+21$	~42	~15
$1\text{E}+22$	~78	~15
$1\text{E}+23$	~110	~28

FIG. 5

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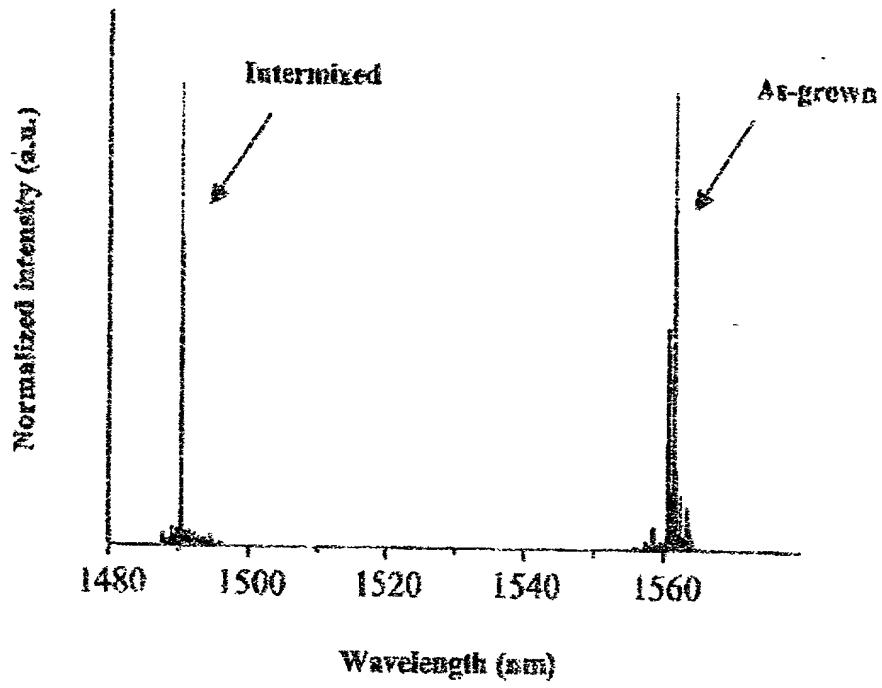


FIG 6

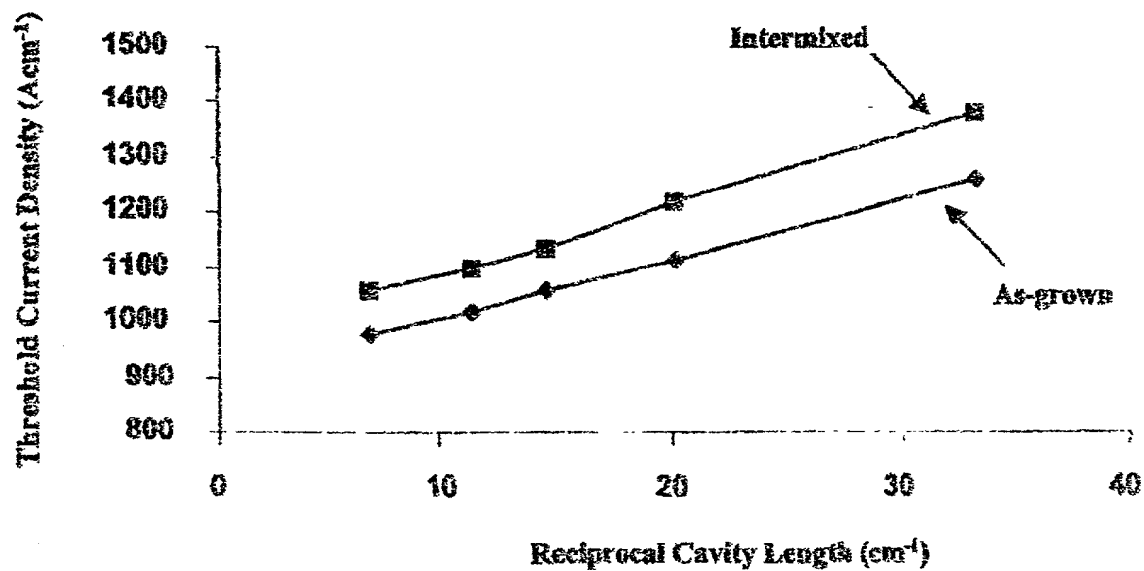


FIG. 7

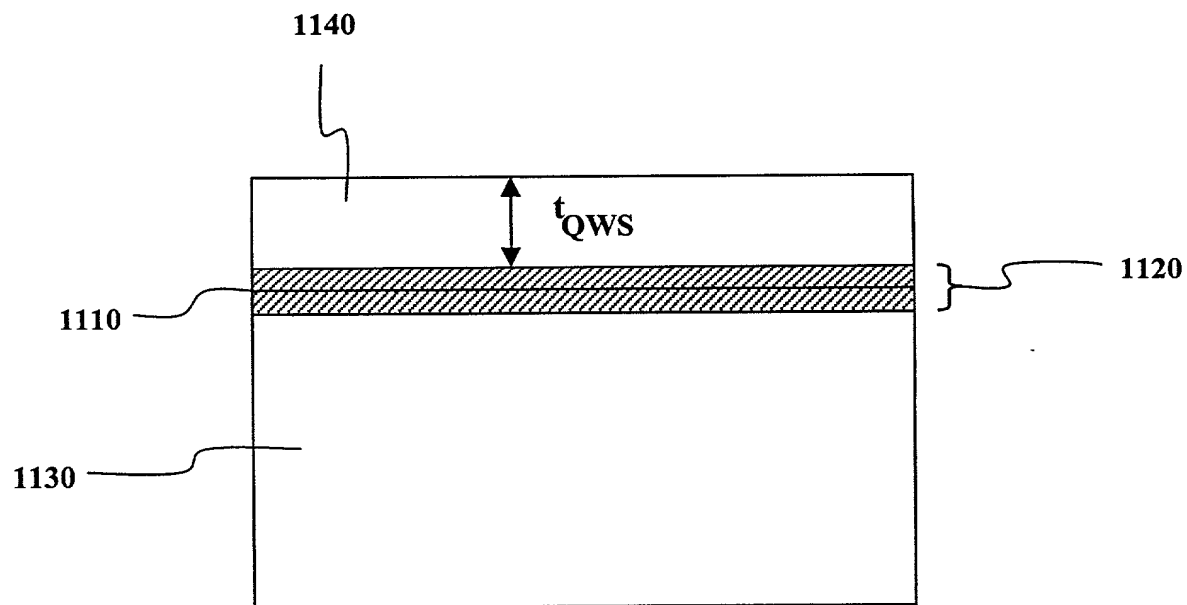


FIG 8A

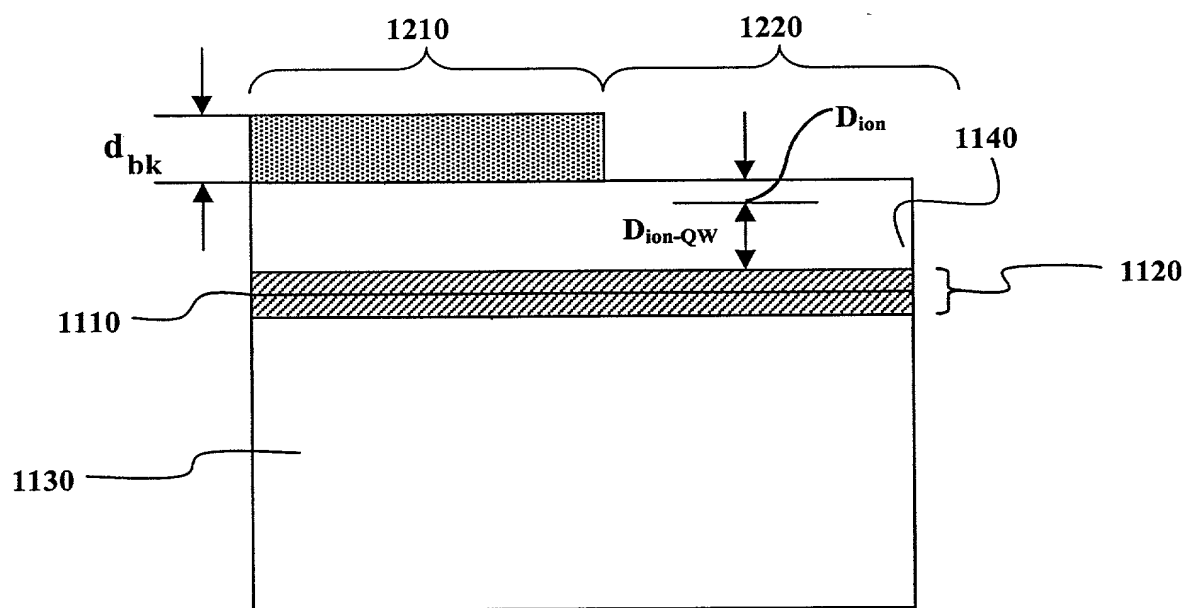


FIG 8B

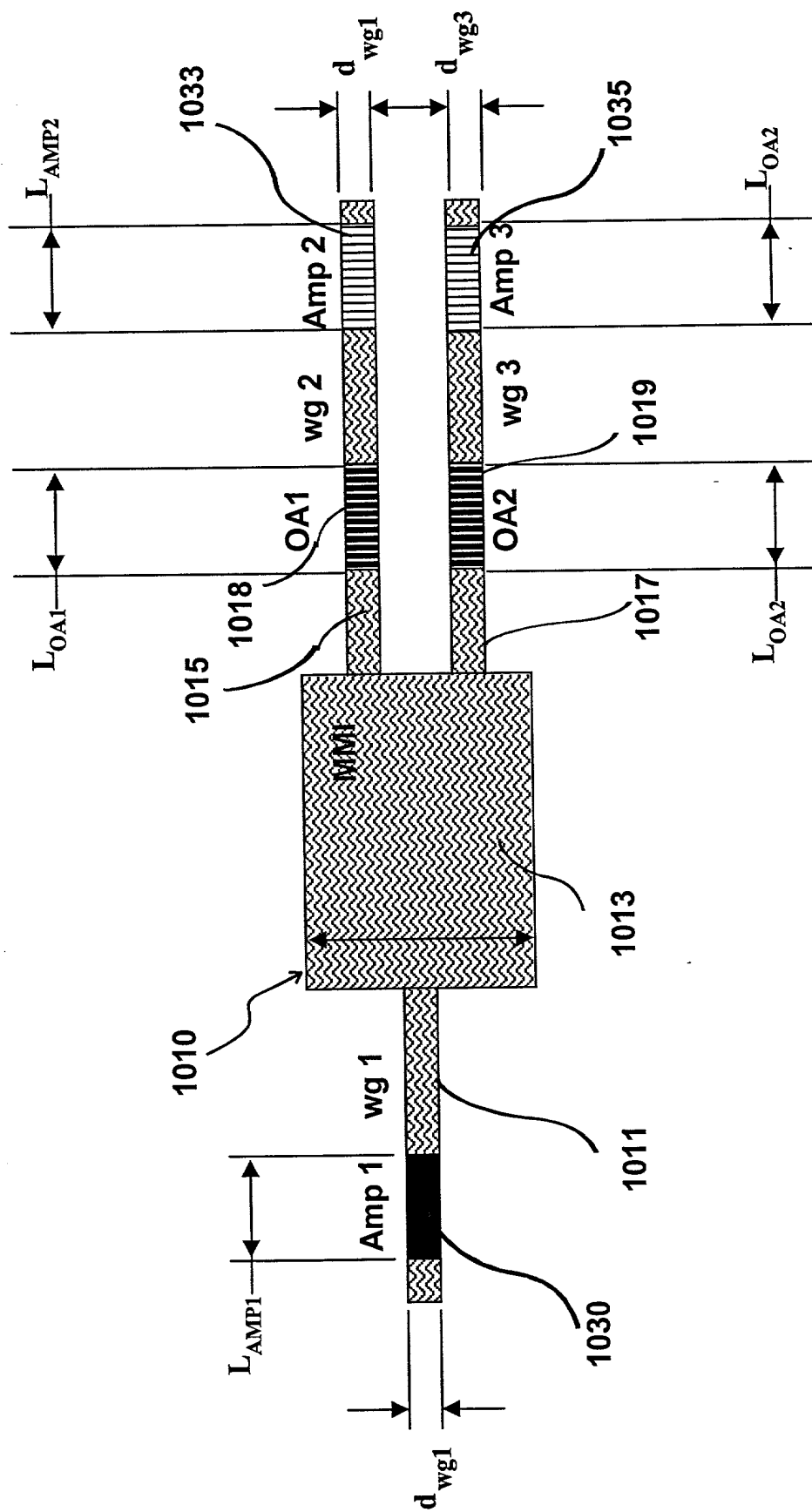


FIGURE 9

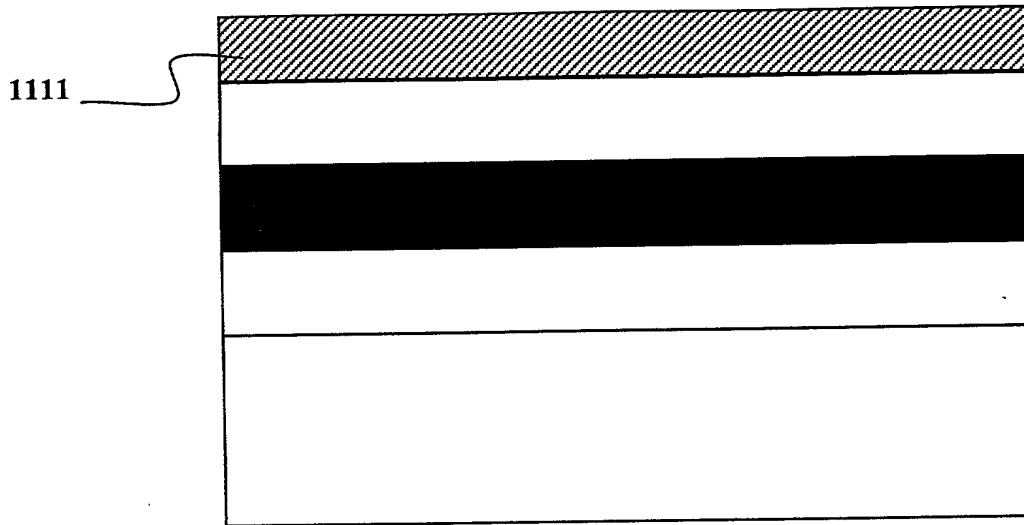


FIG 10A

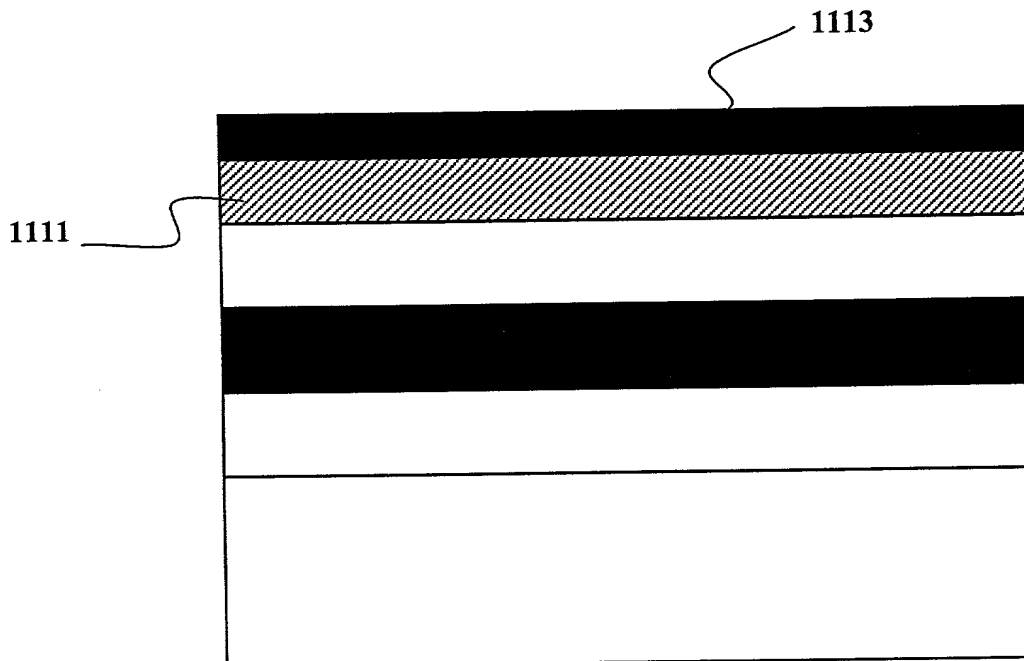


FIG 10B

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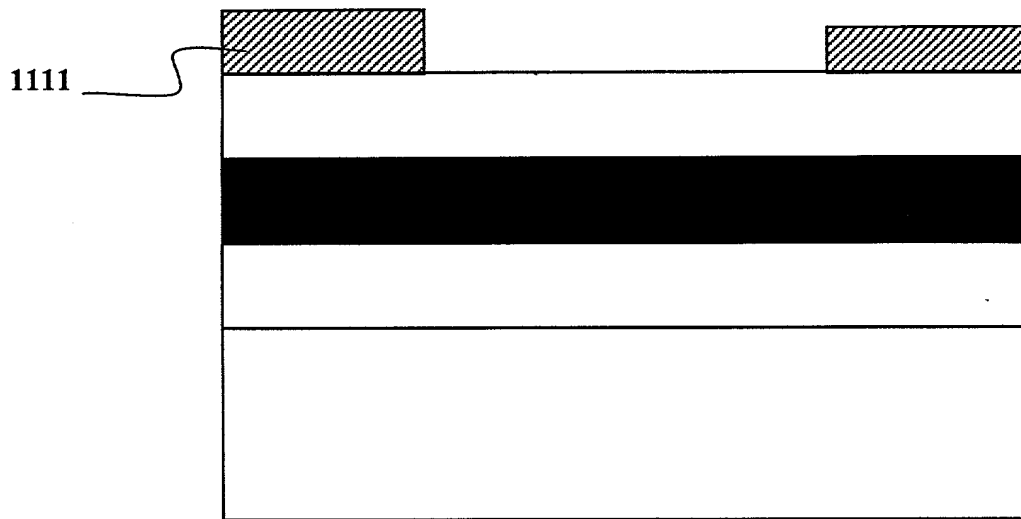


FIG 10C

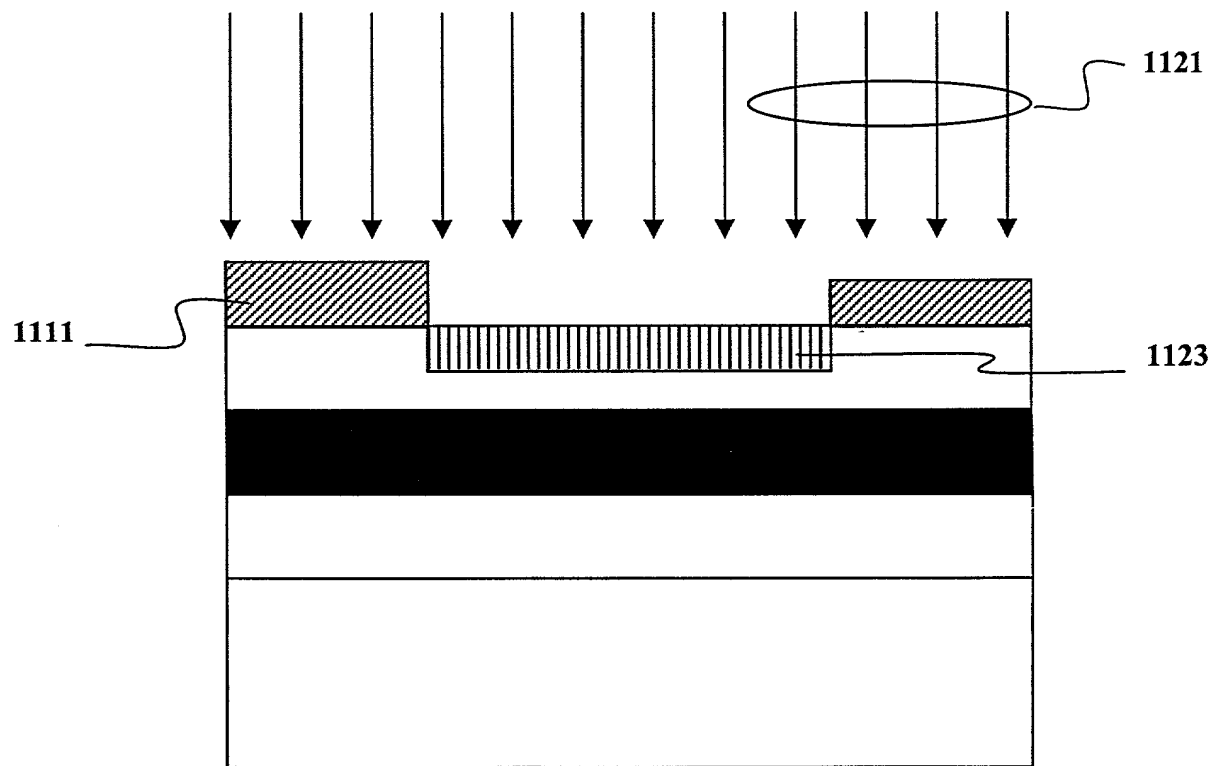


FIG 10D

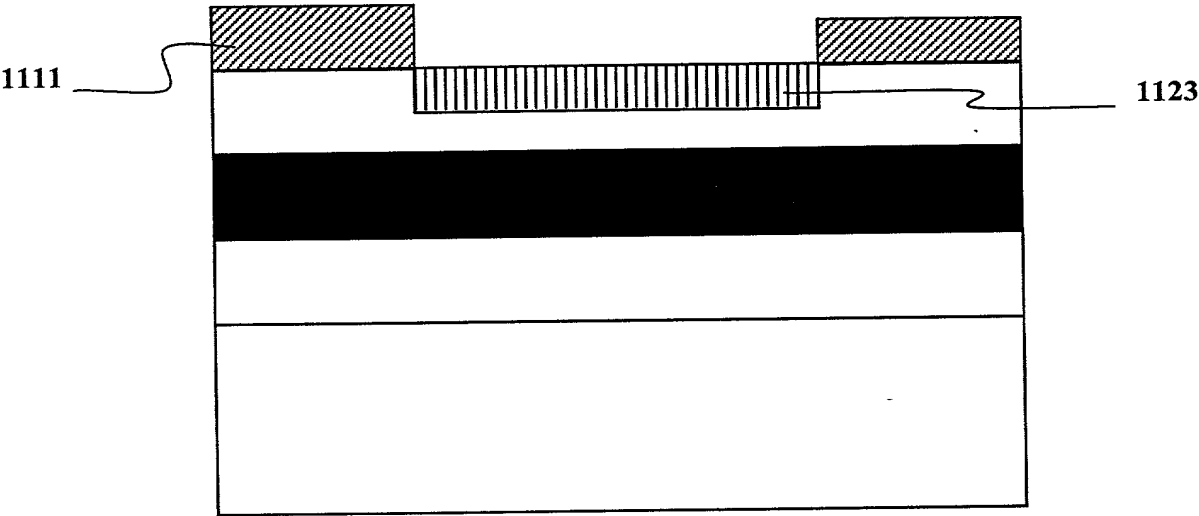


FIG 10E

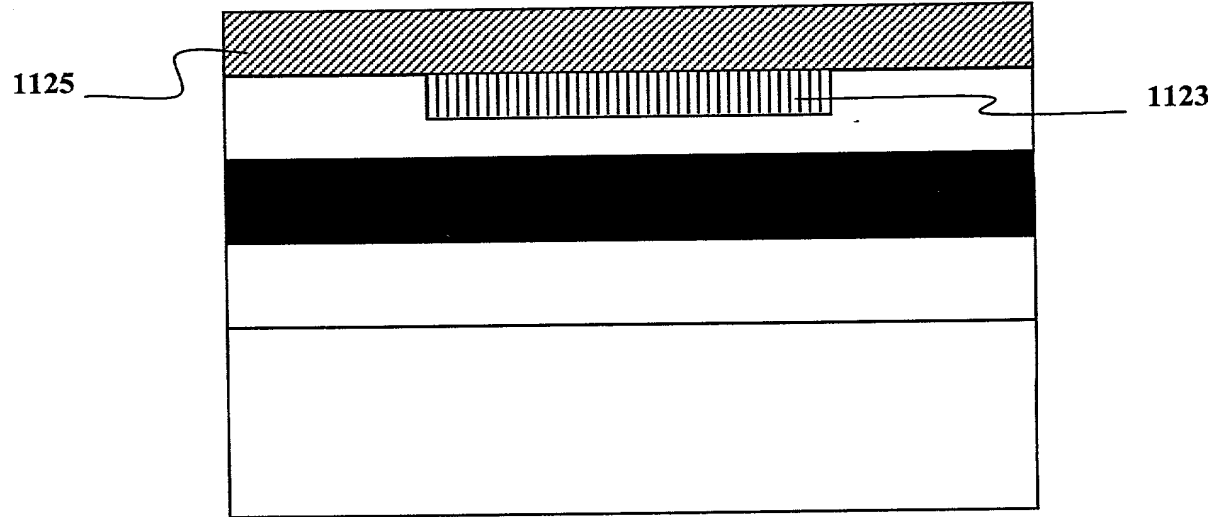


FIG 10F

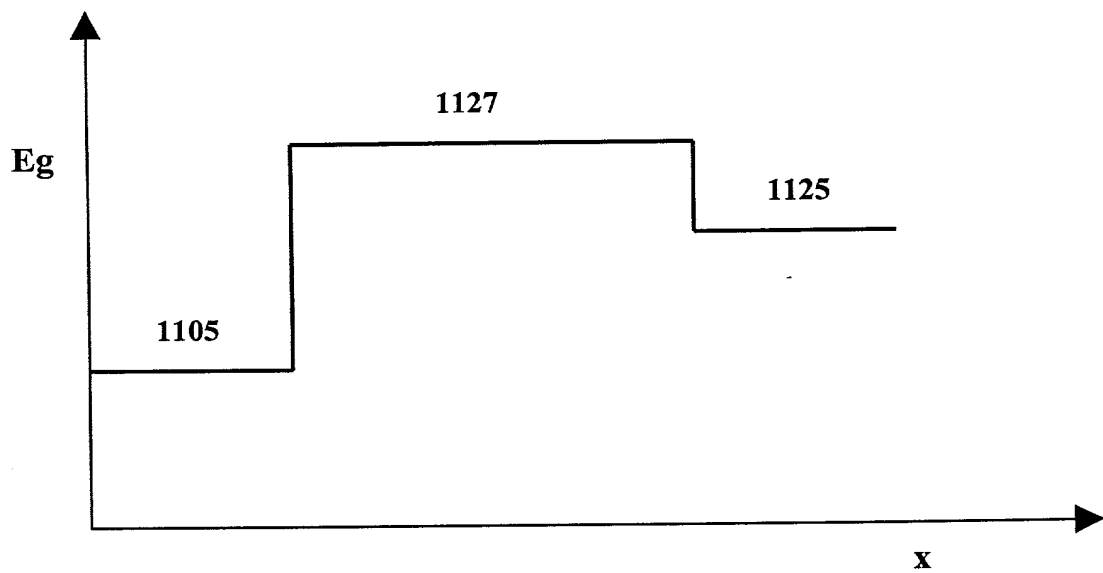
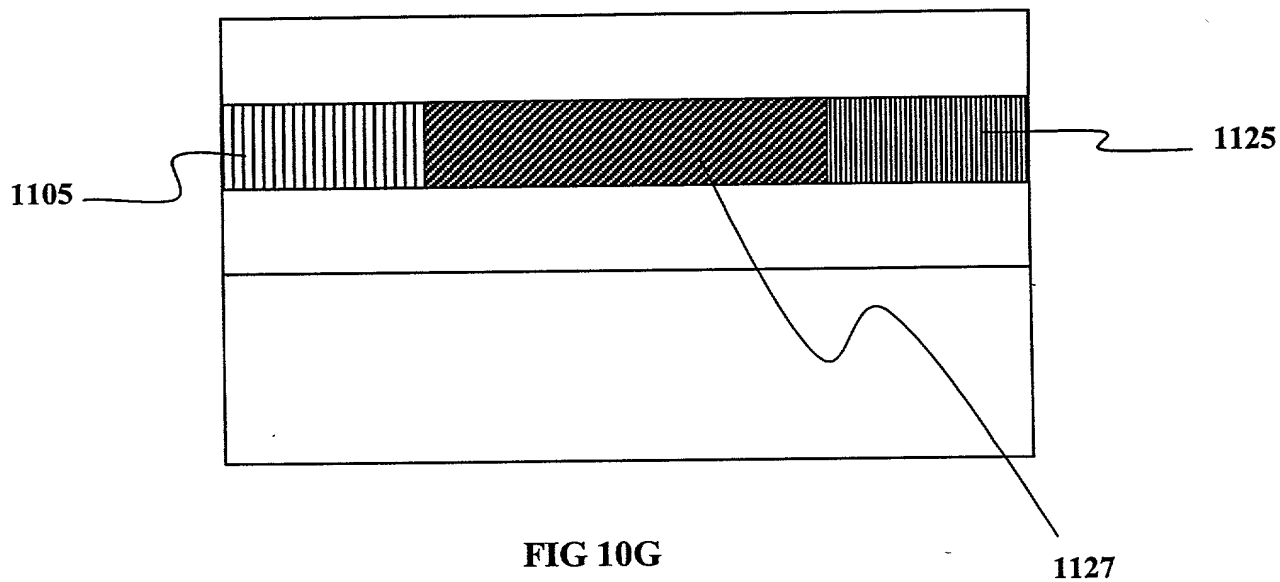


FIG 10H